

WMAP Cosmological Parameters

Model: lcdm+nrel

Data: wmap9+spt+act+snls3+bao

$10^9 \Delta_{\mathcal{R}}^2$	$2.435^{+0.081}_{-0.083}$	H_0	71.8 ± 3.1 km/s/Mpc
N_{eff}	3.61 ± 0.60	$A_{\text{clustered}}$	$4.8^{+3.8}_{-4.8}$
$A_{\text{Poisson}}^{\text{ACT}}$	14.3 ± 2.6	$A_{\text{Poisson}}^{\text{SPT}}$	22.9 ± 4.3
$\ell(\ell+1)C_{220}/(2\pi)$	$5745 \pm 32 \mu\text{K}^2$	$d_A(z_{\text{eq}})$	13704^{+504}_{-498} Mpc
$d_A(z_*)$	13544^{+498}_{-492} Mpc	$D_v(z=0.57)/r_s(z_d)$	13.37 ± 0.12
	$0.000000000612 \pm 0.000000000011$	η	$(6.12 \pm 0.11) \times 10^{-10}$
k_{eq}	0.01038 ± 0.00037	ℓ_{eq}	140.4 ± 1.5
ℓ_*	302.61 ± 0.56	n_b	$(2.513 \pm 0.047) \times 10^{-7} \text{ cm}^{-3}$
n_s	0.971 ± 0.015	Ω_b	0.0435 ± 0.0033
$\Omega_b h^2$	0.02237 ± 0.00042	Ω_c	$0.2425^{+0.0090}_{-0.0091}$
$\Omega_c h^2$	0.125 ± 0.010	Ω_Λ	$0.714^{+0.011}_{-0.010}$
Ω_m	$0.286^{+0.010}_{-0.011}$	$\Omega_m h^2$	$0.148^{+0.010}_{-0.011}$
$r_s(z_d)$	147.0 ± 5.6 Mpc	$r_s(z_d)/D_v(z=0.106)$	$0.3424^{+0.0045}_{-0.0044}$
$r_s(z_d)/D_v(z=0.2)$	$0.1871^{+0.0023}_{-0.0022}$	$r_s(z_d)/D_v(z=0.35)$	0.1125 ± 0.0012
$r_s(z_d)/D_v(z=0.44)$	$0.09241^{+0.00091}_{-0.00090}$	$r_s(z_d)/D_v(z=0.54)$	$0.07808^{+0.00071}_{-0.00070}$
$r_s(z_d)/D_v(z=0.57)$	$0.07479^{+0.00066}_{-0.00065}$	$r_s(z_d)/D_v(z=0.6)$	$0.07184^{+0.00062}_{-0.00061}$
$r_s(z_d)/D_v(z=0.73)$	0.06195 ± 0.00047	$r_s(z_*)$	140.6 ± 5.3
R	1.7326 ± 0.0064	σ_8	0.846 ± 0.030
α_{SNLS}	1.43 ± 0.11	β_{SNLS}	3.26 ± 0.11
A_{SZ}	$0.46^{+0.37}_{-0.46}$	t_0	13.32 ± 0.51 Gyr
τ	0.081 ± 0.012	θ_*	0.010382 ± 0.000019
θ_*	0.5948 ± 0.0011 °	τ_{rec}	274 ± 10
t_{reion}	456^{+70}_{-72} Myr	t_*	362049^{+13413}_{-13329} yr
z_d	1021.0 ± 1.5	z_{eq}	3284 ± 51
z_{rec}	$1089.41^{+0.85}_{-0.86}$	z_{reion}	10.3 ± 1.1
z_*	$1092.29^{+0.70}_{-0.72}$		